

In re: Park et al.  
Serial No.: 10/780,067  
Filed: February 17, 2004  
Page 8

#### REMARKS

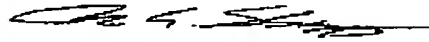
Applicants appreciate the thorough examination of the present application as evidenced by the Official Action of September 20, 2005 (hereinafter "Office Action"). In particular, Applicants appreciate the Examiner's indication that Claims 31-48 are allowed, and that Claims 5-8, 11, and 19 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. In response, Applicants have amended independent Claims 1 and 13 to include the recitations of Claims 6 and 19, respectively. As such, Applicants submit that Claims 1 and 13 are now in condition for allowance. In addition, as Claims 2-5 and 7-12 and Claims 14-18 and 20 respectively depend from Claims 1 and 13, Applicants submit that these claims are also allowable at least per the allowability of Claims 1 and 13.

Applicants note that these claims have been amended to expedite prosecution and subsequent allowance of this application. As such, Applicants respectfully maintain that these claims include patentable subject matter, and that the amendments thereof are not to be construed as an admission of the unpatentability of the subject matter recited therein. For example, with respect to the rejections of Claim 1 based on U.S. Patent No. 4,835,584 to Lancaster, Applicants submit that the gate dielectric 97 in Figure 8F of Lancaster appears to be formed on a bottom surface and sidewalls of the second trench 95, and not on the protrusions between the trenches 86. See Lancaster, Fig. 8F. Accordingly, Applicants submit that the cited portions of Lancaster do not appear to disclose or suggest an insulating layer "extending on a side wall of the vertical channel", as recited by Claim 1.

Nevertheless, based on the amendments provided above, Applicants respectfully submit that all of the pending Claims are now in condition for allowance. Accordingly, Applicants respectfully request allowance of the pending claims and passing the application to issue. Applicants encourage the Examiner to contact the undersigned by telephone to resolve any remaining issues.

In re: Park et al.  
Serial No.: 10/780,067  
Filed: February 17, 2004  
Page 9

Respectfully submitted,



Rohan G. Sabapathypillai  
Registration No. 51,074

Myers Bigel Sibley & Sajovec, P.A.  
P. O. Box 37428  
Raleigh, North Carolina 27627  
Telephone: (919) 854-1400  
Facsimile: (919) 854-1401  
Customer Number 20792

**CERTIFICATION OF FACSIMILE TRANSMISSION  
UNDER 37 CFR § 1.8**

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office via facsimile number 571-273-8300 on December 20, 2005.



Betty-Lou Rosser